



THE FIRST AMERICAN STATUE
• OF GUTENBERG •

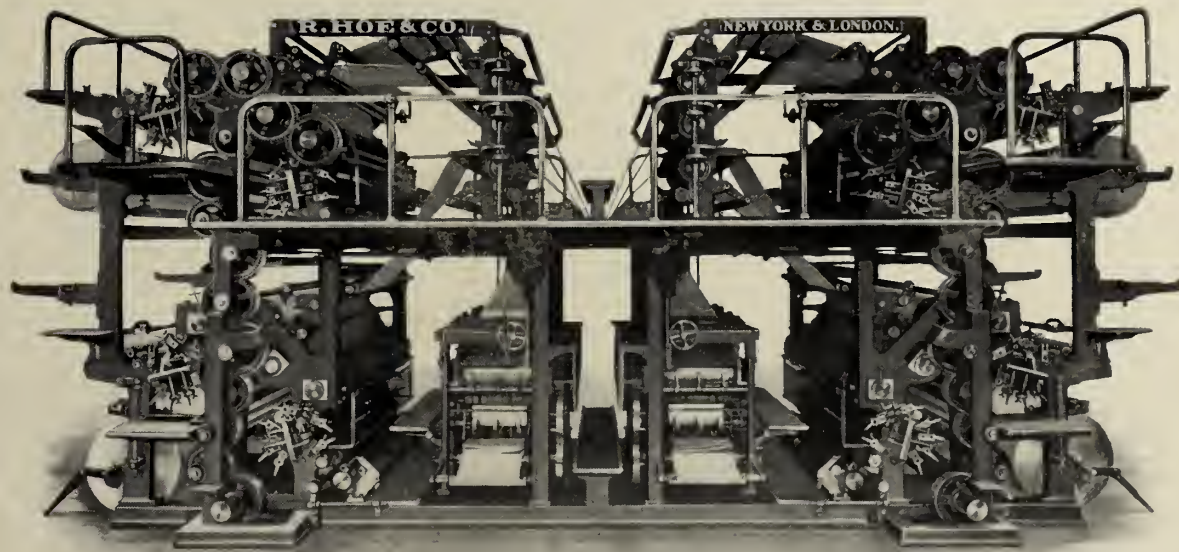
PATENTED
IMPROVED FOUR-ROLL
NEWSPAPER
PERFECTING
PRESSES

MANUFACTURED BY

R. HOE & CO.

NEW YORK AND LONDON

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FOUR-ROLL NEWSPAPER PERFECTING PRESS WITH CENTRAL FOLDERS.

Made either Four or Two Pages wide.

R. HOE & CO.'S PATENTED DOUBLE QUADRUPLE, OR OCTUPLE, NEWSPAPER PERFECTING PRESS (FOUR ROLLS, FOUR PLATES WIDE) WITH CENTRAL FOLDERS.

RUNNING SPEEDS PER HOUR:

WITH FOUR DELIVERIES		WITH TWO DELIVERIES	
96,000 . . 4, 6 or 8-page papers	48,000 . . 14 or 16-page papers	48,000 4, 6, 8, 10, 12, 14 or 16-page papers	
72,000 10-page papers	36,000 20-page papers	36,000 20-page papers	
60,000 12-page papers	24,000 18, 24, 28 or 32-page papers	24,000 . 18, 24, 28 or 32-page papers	

Folded, Counted, and Pasted if desired.

Will also give a great variety of combinations in color and black products, as well as in magazine forms with pages half the size of the regular newspaper page.

Our arrangement of placing the plates on the cylinders of double width presses in what is generally termed a "staggered" relation one to another (instead of in line with one another), giving a continuous printing surface, is an essential to good printing on wide machines, and is covered by our patents. When the plates are placed on the cylinders in even rows, as is necessary on machines of other makes, the marginal openings, running the entire length of the cylinders, cause the cylinders and rollers to jump, which naturally results in an uneven impression and poor printing.

R. HOE & CO.'S PATENTED FOUR-ROLL TWO-PAGE-WIDE NEWSPAPER PERFECTING PRESS

WITH CENTRAL FOLDER.

RUNNING SPEEDS PER HOUR:

WITH SINGLE FOLDER AND ONE DELIVERY

24,000	.	.	.	.	4, 6, 8, 10, 12, 14 or 16-page papers
12,000	.	.	.	.	20, 24, 28 or 32-page papers

WITH DOUBLE FOLDER AND TWO DELIVERIES

48,000	.	.	.	.	.	.	.	.	4, 6 or 8-page papers
24,000	.	.	.	.	.	.	.	.	10, 12, 14 or 16-page papers
12,000	.	.	.	.	.	.	.	.	20, 24, 28 or 32-page papers

Folded, Counted, and Pasted if desired.

Will also give a great variety of combinations in color and black products, as well as in magazine forms with pages half the size of the regular newspaper page.

These machines embrace all the latest patented improvements, including the V-shaped "former" and tapeless folding and delivery mechanisms, without which it is impossible to fold paper accurately at a high rate of speed.

PATENTED FOUR-ROLL PRESSES with CENTRAL FOLDERS.



OUR four-roll presses, arranged with two rolls at each end and the folding mechanism and delivery in the centre, between the two sections of the machine, are not only simple, efficient and economical presses for ordinary newspaper printing, but the design is such that it also readily lends itself to color printing and gives many advantages that cannot be obtained in any other form of construction. As will be seen by the illustration on page 1 (which shows a four-page-wide machine with four deliveries), these presses are composed, so to speak, of two separate complete printing mechanisms (each fed from two rolls of paper), which may be run either in combination or independently of each other. In short, a machine of this improved design can be used as a four-roll press, a three-roll press, or two two-roll presses.

When a high grade of color or half-tone printing is desired we construct one portion of the machine especially for this, with extra distribution and other facilities for fine work.

This section can then be used either as a separate color press for special editions, illustrated supplements, etc., or in combination with the output in black.

It can also be arranged for magazine forms, with pages half the size of the regular newspaper page and, if desired, a cover of a different kind of paper run in from one portion and associated with the rest of the product. A great variety of combinations can be obtained in this way and by adding our patented wire stapling apparatus it is possible to deliver these magazine products with the sheets stapled together in regular book form, cut at the ends and side.

The various devices and methods employed in these machines are covered by our patents.

SOME OF THE ADVANTAGES and POINTS OF SUPERIORITY of R. HOE & CO.'S FOUR-ROLL PRESSES with CENTRAL FOLDERS.

1. As these machines are composed of two two-roll printing sections, arranged end to end, with the folder between them, all four webs of paper have the shortest possible run.

2. Each of the two sections is complete in itself, with its own driving mechanism, and so arranged that it can be run independently of the other or in combination with it, by slipping in or out a clutch, which can be done without entering the pit. This facilitates the "plating" of the machine, and when the plates are all in position the two sections are geared together to operate as one four-roll machine.

3. The folders are placed on the floor level, thus obviating the necessity of climbing up on the machine to adjust the folding, cutting and delivery mechanisms, as has to be done when the folders are placed one above the other.

4. The two lower rolls of paper, one at each end, can be rolled into place from the floor, and the other two need be hoisted only a short distance. As there are only two rolls at each end, they can be handled and the paper in the machine manipulated with more facility and with greater safety to the pressmen than when there are four rolls at one end and four webs of paper one above another. When desired, provision can be made on the machine to carry an extra set of paper rolls in readiness for use.

5. As the machine is low it is not necessary to have a high pressroom, and it is obvious that the nearer the working parts of a machine are to the floor or foundation, the better it will work and the longer it will last.

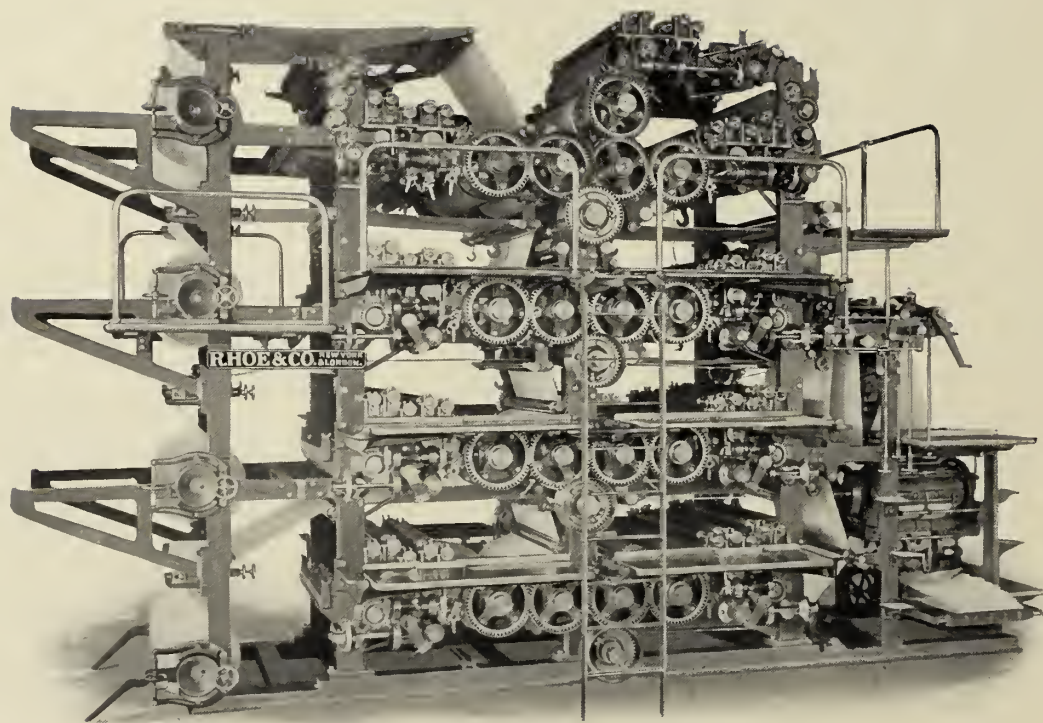
6. The form of construction affords better access to the fountains, cylinders, rollers and other parts than any other.

7. The deliveries are free from tapes and raised somewhat from the floor for convenience in removing the folded papers.

8. The folding cylinders are made with adjustable segments for regulating the relative position of the folding blades to the cutting sticks, to insure accuracy in the folding.

9. Our patented spring tension device for equalizing the strain on the paper is provided for each of the rolls. Milled rollers and adjustable spring-seated propellers at the top of the folder render it very easy to regulate the tension on the webs of paper.

10. A greater variety of products and combinations is obtainable than from any other four-roll press. The four-roll machine with central folder can be run as a four-roll press, as a three-roll press, as two independent two-roll presses, or as a combined color and black press, using one section for printing in colors and the other for printing in black. It provides not only for the needs of the time being, but anticipates future requirements, inasmuch as the form of construction enables the addition of other printing sections for either colors or black without interfering with the use of the machine.



FOUR-DECK STRAIGHT-LINE NEWSPAPER PERFECTING PRESS.
(The patents for which belong to R. Hoe & Co.)

R. HOE & CO.'S PATENTED FOUR-DECK STRAIGHT-LINE NEWSPAPER PERFECTING PRESS. TWO PAGES WIDE.

Although we recommend, and our preference is for, our Four-Roll Press with two rolls at each end and the folder in the centre, we also make, and own the patents for, the Four-Deck Straight-Line Machine, illustrated on the opposite page. It is far superior in construction to any press of this style offered elsewhere, and embraces all our latest improvements, including the patented V-shaped "former" and tapeless folding and delivery mechanisms, which would-be competing makers attempt to copy and without which it is impossible to fold paper accurately at a high rate of speed. The capacity is the same as given on page 3 for the Four-Roll Two-Page-Wide Machine with the central folder, viz.:

RUNNING SPEEDS PER HOUR:

WITH SINGLE FOLDER AND ONE DELIVERY

24,000 4, 6, 8, 10, 12, 14, or 16-page papers. 12,000 20, 24, 28, or 32-page papers.

Folded, Counted, and Pasted if desired.

COLOR CYLINDERS, Etc.

When desired we can add to this and our other presses extra color cylinders to give as many additional printings as required.

When a finer class of printing than can be obtained from the ordinary newspaper press is wanted, the machines are made with extra distribution and other special features, and can also be arranged to take on stereotype or electrotype plates at will.

The illustration on the opposite page shows a press made for the Denver Post, with one extra color cylinder and the regular two-roller distribution, and such as used in many other offices.



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